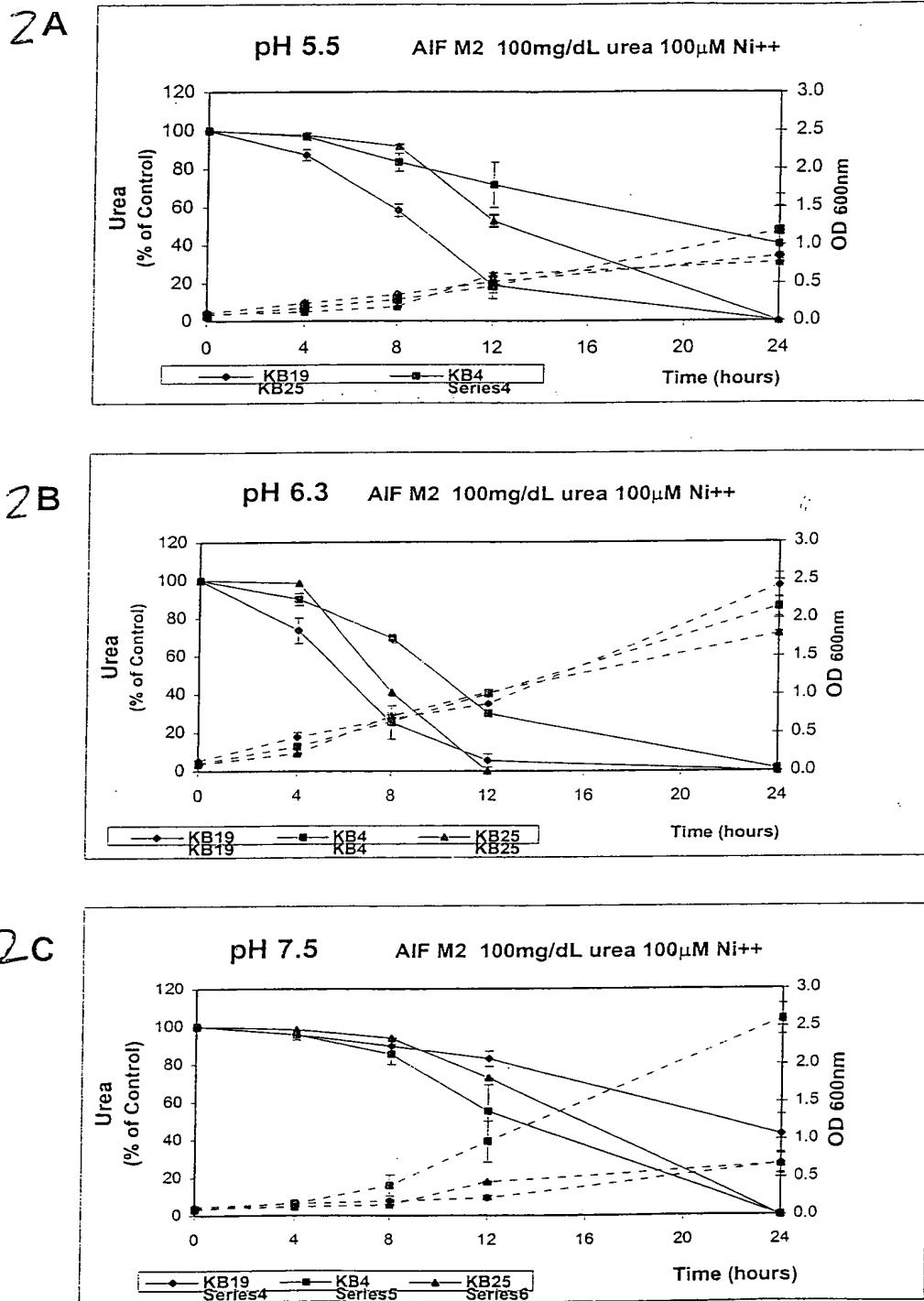


Survival of three *S.thermophilus* strains KB19, KB4, and KB25 in simulated gastric juice at pH 1.4, 2.0, 2.4, and 3.0.
 Date are cfu/mL.

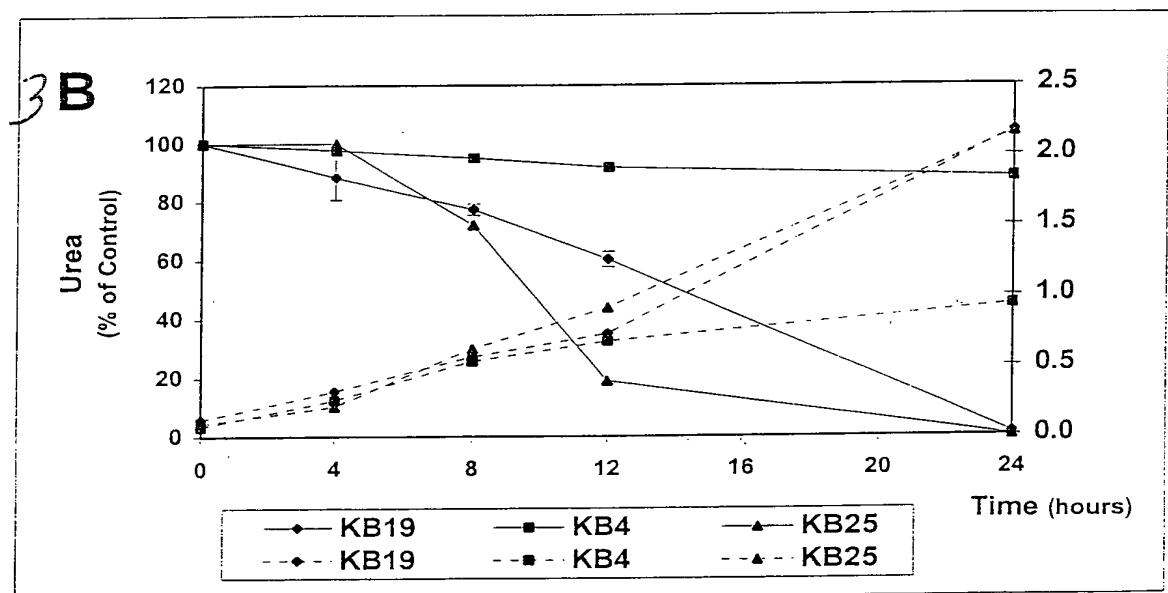
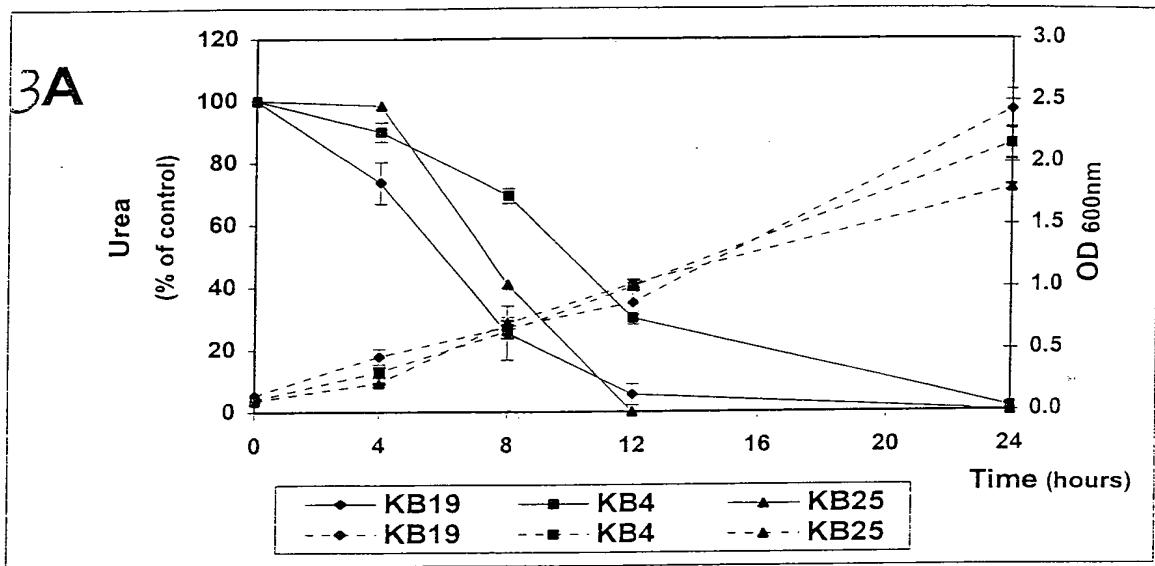
	KB19			KB4			KB25					
pH	1.4	2	2.4	3	1.4	2	2.4	3	1.4	2	2.4	3
0 hours	10^{10}	10^{10}	10^{10}	10^{10}	10^{10}	10^{10}	10^{10}	10^{10}	10^{10}	10^{10}	10^{10}	10^{10}
1 hour	0	0	10^4	10^8	10^3	10^3	10^5	10^{10}	0	0	ND	ND
2 hour	0	0	10^4	10^8	0	0	10^4	10^{10}	0	0	ND	ND
3 hour	0	0	10^4	10^6	0	0	10^4	10^9	0	0	10^6	10^7

FIGURE 1



Urea hydrolysis by three *S. thermophilus* strains at different pH
 Data presented are mean \pm SEM, n= 3 - 9

FIGURE 2



Dependency of the rate of urea hydrolysis on the availability of Ni⁺⁺
Data presented are Mean \pm SEM from 3 independent experiments

FIGURE 3

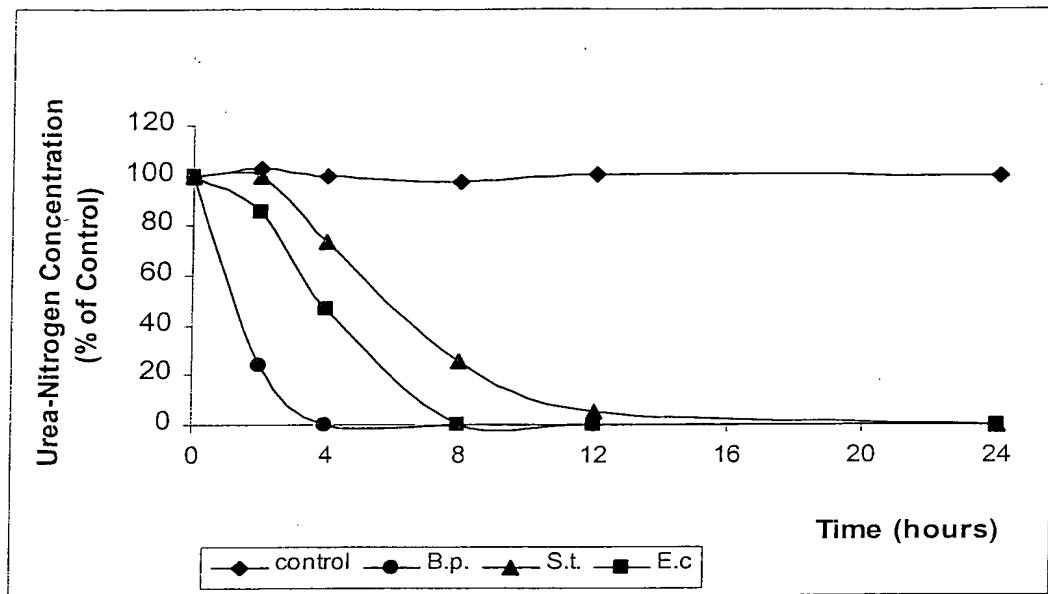


Figure 4. Ureolysis by *S.thermophilus* KB19, *Bacillus pasteurii* ATCC 6453, and *E.coli* strain DH5 α transformed with multi-copy plasmid bearing *Klebsiella aerogenes* urease operon.

FIGURE 4

Urea hydrolysis by three *S. thermophilus* strains at concentrations
of urea characteristic of uremic blood levels
AIF M2 pH 6.3 100 μ M Ni Data presented are mean \pm SEM, n=3-5

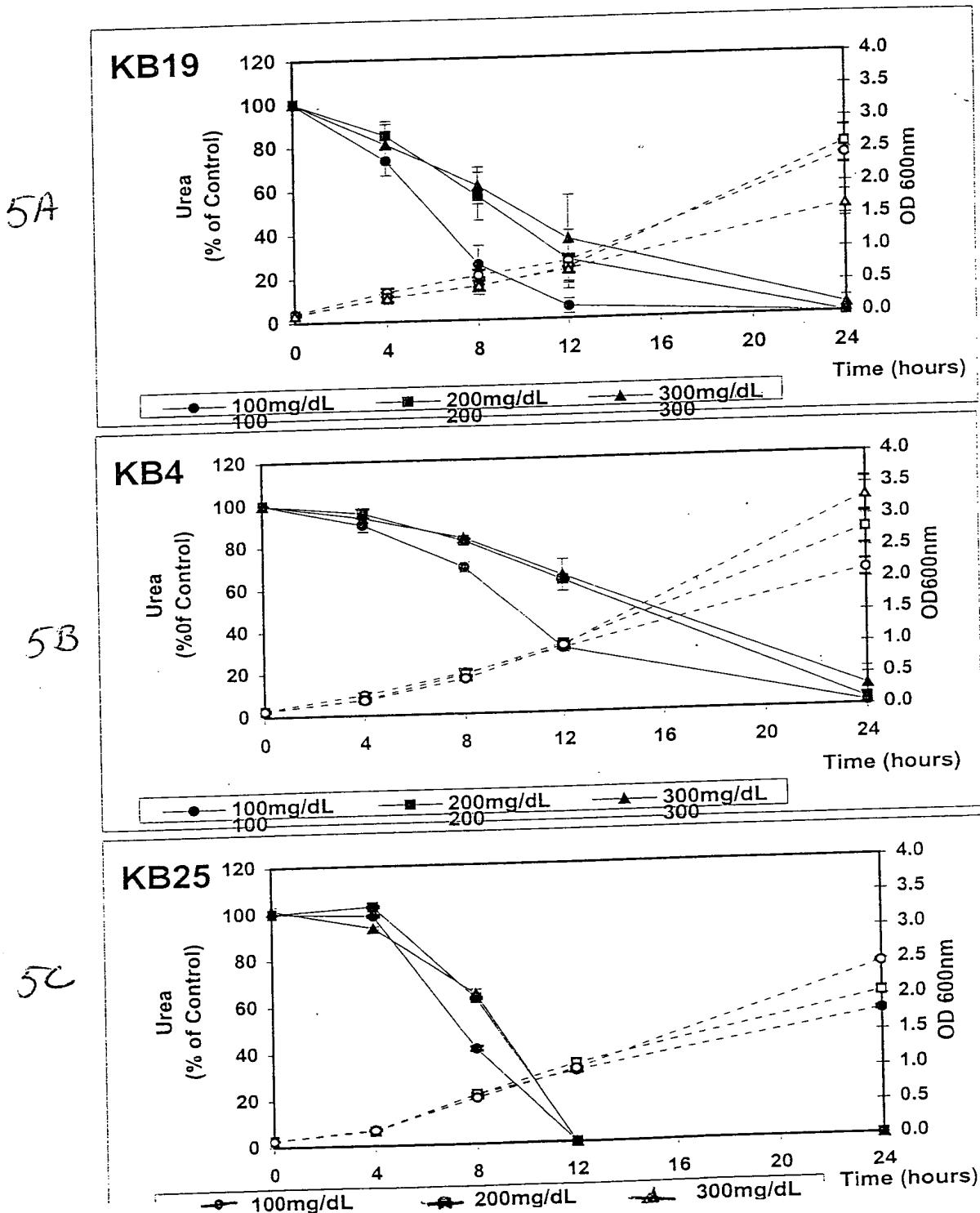


FIGURE 5